

## **A MAGNETIC MEMORY PARALLEL PROCESSOR**

### **Abstract**

The invention includes a parallel processor. The parallel processor includes a plurality of non-volatile memory cells. The parallel processor additionally includes a plurality of processor elements. At least one non-volatile memory cell corresponds with each of the processor elements. The processor elements each access data from at least one corresponding non-volatile memory cell. The processor elements perform processing on the data. The non-volatile memory cells can include magnetic memory cells.